

*JSW*

PATENTS  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kim et al.

Serial No.: 10/620,477

Filed: July 15, 2003

For: Adaptive Noise Filtering and  
Equalization for Optimal High  
Speed Multilevel Signal Decoding)

Art Unit: 2816

Examiner: Lam, Tuan Thieu

Confirmation No.: 8614

**INFORMATION DISCLOSURE STATEMENT**

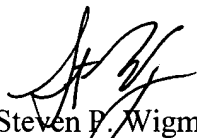
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The citation of information on the attached Form PTO-1449, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

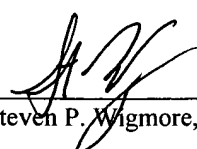
The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

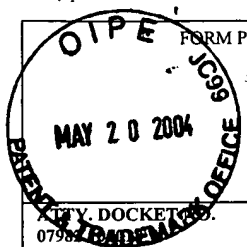
Respectfully submitted,

  
Steven P. Wigmore  
Reg. No. 40,447

King & Spalding LLP  
191 Peachtree Street, N.E., 45<sup>th</sup> Floor  
Atlanta, GA 30303  
(404) 572-4600  
K&S Docket: 07982.105018 US  
3486351

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on May 18, 2004.

  
Steven P. Wigmore, Reg. No. 40,447



FORM PTO-1449, Adapted

**LIST OF INFORMATION DISCLOSED BY APPLICANT***(Use several sheets if necessary)*

CITY DOCKET NO. 07982	SERIAL NO. 10/620,477	FILING DATE July 15, 2003
APPLICANT Kim et al.		GROUP 2816

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,181,136	1/19/1993	Kavehrad et al.			9/20/1990
	AB	5,625,722	4/29/1997	Froberg et al.			12/21/1994
	AC	6,002,717	12/14/1999	Gaudet, Brian			5/28/1997
	AD	6,388,786 B1	5/14/2002	Ono et al.			6/13/2000
	AE	6,421,155 B1	7/16/2002	Yano, Yutaka			5/27/1998
	AF	6,501,792 B2	12/31/2002	Webster, Stephen Paul			9/6/2001
	AG	6,665,500 B2	12/16/2003	Snawerdt, Peter			1/29/2001
	AH	2002/0196508 A1	12/26/2002	Wei et al.			10/4/2001
	AI	2003/0002121 A1	1/2/2003	Miyamoto et al.			6/26/2002
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
	AL	WO 02/067521 A1	8/29/2002	PCT	Vrazel et al.	YES	NO
	AM	WO 02/091600 A2	11/14/2002	PCT	Schmukler et al.		
	AN	WO 03/077423 A2	9/18/2003	PCT	Hietala et al.		
	AO	WO 03/092237 A1	11/6/2003	PCT	Vrazel et al.		
	AP	WO 2004/008782 A2	1/22/2004	PCT	Kim et al.		
	AQ						
	AR						
	AS						

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449, Adapted

**LIST OF INFORMATION DISCLOSED BY APPLICANT**

(Use several sheets if necessary)

PATENT & TRADEMARK OFFICE MAY 20 2004 RECEIVED 07962135018	INVENTOR NO. 07962135018	SERIAL NO. 10/620,477	FILING DATE July 15, 2003
APPLICANT Kim et al.			GROUP 2816

**OTHER REFERENCES** (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	Choi et al.; <i>A 0.18-<math>\mu</math>m CMOS 3.5-Gb/s Continuous-Time Adaptive Cable Equalizer Using Enhanced Low-Frequency Gain Control Method</i> ; IEEE Journal of Solid-State Circuits; March 2004; Vol. 39, No. 3; pp. 419-425
BB	Paul, et al.; <i>3 Gbit/s Optically Preamplified Direct Detection DPSK Receiver With 116 photon/bit Sensitivity</i> ; Electronics Letters; Vol. 29, No. 7; April 1, 1993; pp. 614-615
BC	Penninckx et al.; <i>Optical Differential Phase Shift Keying (DPSK) Direct Detection Considered as a Duobinary Signal</i> ; Proc. 27 <sup>th</sup> Eur. Conf. on Opt. Comm. (ECOC'01 – Amsterdam); Vol. 3; September 30 to October 4, 2001; pp. 456-457
BD	Rohde et al.; <i>Robustness of DPSK Direct Detection Transmission Format in Standard Fibre WDM Systems</i> ; Electronics Letters; Vol. 36, No. 17; August 17, 2000; pp. 1483-1484
BE	Shirasaki et al.; <i>Fibre Transmission Properties of Optical Pulses Produced Through Direct Phase Modulation of DFB Laser Diode</i> ; Electronics Letters; Vol. 24, No. 8; April 14, 1988; pp. 486-488
BF	
BG	
BH	
BI	
BJ	
BK	
BL	
BM	
BN	
BO	
BP	
BQ	
BR	
BS	
BT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.